

Title (en)
METHOD FOR OPERATING A CAMERA AND A PROJECTOR IN A SYNCHRONIZED MANNER, SYSTEM FOR GENERATING 3D IMAGES

Title (de)
VERFAHREN ZUM SYNCHRONISIERTEN BETRIEB EINER KAMERA UND EINES PROJEKTORS, SYSTEM ZUR ERZEUGUNG VON 3D BILDERN

Title (fr)
PROCÉDÉ DE FONCTIONNEMENT SYNCHRONISÉ D'UNE CAMÉRA ET D'UN PROJECTEUR, SYSTÈME DE GÉNÉRATION D'IMAGES 3D

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Application
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Abstract (en)
[origin: WO2012143554A2] The invention relates to a method for synchronizing a camera (1) that has an image sensor with a projector (2) that can generate a synchronization signal (2.1) which corresponds to the projector frame rate. The projector (2) is operated with a frame rate (F2), and the camera (1) is operated with a frame rate (F1). A blanking interval (1a, 1b) is formed between individual images (1.1, 1.2, 1.3), and the synchronization signal (2.1) of the projector (2) is provided for controlling the camera (1). In order to match a phase (P1) of the frame rate (F1) of the camera (1) to a phase (P2) of the frame rate (F2) of the projector (2) and/or in order to match the frame rate (F1) of the camera (1) to the frame rate (F2) of the projector (2), one or more blanking intervals (1a, 1b) between the individual images (1.1) to (1.3) of the camera (1) are varied dependent on the synchronization signal (2.1) of the projector (2). For this purpose, a control circuit (3.1) carries out a comparison between the phase (P1) of the frame rate (F1) of the camera (1) and the phase (P2) of the frame rate (F2) of the projector (2) and/or between the frame rate (F1) of the camera (1) and the frame rate (F2) of the projector (2), wherein the trigger input of the image sensor (1) is not activated for the matching process.

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